

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10531058"	US-PGPUB; USPAT	OR	ON	2008/12/09 17:39
S2	4	((("2162462") or ("3987133") or ("6068609")).PN.	USPAT; USOCR	OR	OFF	2008/12/09 17:43
S5	8	US-2162462-\$.DID. OR US-3987133-\$.DID. OR US-6068609-\$.DID. OR DE-10049869-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/12/11 10:39
S6	16	("3871371"   "3961626"   "4121583"   "4276128"   "4621633"   "4825863"   "5006109"   "5013294"   "5098375"   "5139478"   "5148801"   "5246419"   "5411474").PN. OR ("6068609").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 14:30
S7	270	128/200.21.ccls. and (heat and humid\$ same respiratory gas)	US-PGPUB; USPAT	OR	ON	2008/12/22 14:44
S8	293	respiratory gas humidifier	US-PGPUB; USPAT	SAME	ON	2008/12/22 14:52
S9	10	(sprink\$ same chamber) and humidifier	US-PGPUB; USPAT	OR	ON	2008/12/22 16:16
S10	1	DE-3830314-\$.did.	EPO; JPO; DERWENT	OR	ON	2008/12/22 16:32
S11	1	1989-086956.NRAN.	DERWENT	OR	ON	2008/12/22 16:32
S12	2	DE-4303645-\$.did.	EPO; JPO; DERWENT	OR	ON	2008/12/22 16:35

S13	1	1994-250121.NRAN.	DERWENT	OR	ON	2008/12/22 16:35
S14	2	DE-19727884-\$.did.	EPO; JPO; DERWENT	OR	ON	2008/12/22 16:40
S15	1	1999-121973.NRAN.	DERWENT	OR	ON	2008/12/22 16:40
S16	2	DE-4312793-\$.did.	EPO; JPO; DERWENT	OR	ON	2008/12/22 16:42
S17	1	1994-333805.NRAN.	DERWENT	OR	ON	2008/12/22 16:44
S18	2	DE-3730551-\$.did.	EPO; JPO; DERWENT	OR	ON	2008/12/22 16:45
S19	1	DE-19726110-\$.did.	EPO; JPO; DERWENT	OR	ON	2008/12/22 16:47
S20	1	DE-2834622-\$.did.	EPO; JPO; DERWENT	OR	ON	2008/12/22 16:48
S21	1	DE-4432907-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/22 16:52
S22	1	DE-29612115-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/22 16:52
S23	2	DE-3735219-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/22 16:53
S24	22	(medical and gas and humid\$ and heat\$).ab.	US-PGPUB; USPAT	OR	ON	2008/12/23 11:07
S25	76	(medical and gas and humid\$ and heated)	EPO; JPO; DERWENT	OR	ON	2008/12/23 11:08

S26	89	(US-20060151624-\$ or US-20080302362-\$ or US-20080216829-\$ or US-20080105257-\$ or US-20080085437-\$ or US-20080078386-\$ or US-20080072903-\$ or US-20080066751-\$ or US-20080051674-\$ or US-20080047557-\$ or US-20080041388-\$ or US-20070277825-\$ or US-20070137646-\$ or US-20070079826-\$ or US-20060272639-\$ or US-20060191531-\$ or US-20060137445-\$ or US-20060124127-\$ or US-20060118111-\$ or US-20050284475-\$ or US-20040079370-\$ or US-20040060558-\$ or US-20040020487-\$ or US-20030111077-\$ or US-20030066526-\$ or US-20030012704-\$).did. or (US-20020139367-\$ or US-20020100320-\$ or US-20070283958-\$ or US-20060184096-\$ or US-20060012057-\$ or US-20040102731-\$ or US-20030059213-\$).did. or (US-6068609-\$ or US-3987133-\$ or US-2162462-\$ or US-6976489-\$ or US-5148801-\$ or US-4621633-\$ or US-4588425-\$ or US-4541966-\$ or US-4537188-\$ or US-3724454-\$ or US-7428902-\$ or US-7302949-\$ or US-7263994-\$ or US-7051733-\$ or US-7043979-\$ or US-6997183-\$ or US-6694974-\$ or US-6102037-\$ or US-6095505-\$ or US-6078730-\$ or US-6050552-\$ or US-5857062-\$ or US-5588423-\$ or US-5031612-\$ or US-4861523-\$ or US-4829998-\$).did. or (US-4753758-\$ or US-4621632-\$ or US-4596247-\$ or US-4570631-\$ or US-4529867-\$ or US-4430994-\$ or US-4192836-\$ or US-4013742-\$ or US-3982095-\$ or US-3864440-\$ or US-6167883-\$ or US-6010118-\$ or US-5769071-\$ or US-5411474-\$ or US-5163423-\$ or US-3806102-\$).did. or (DE-10049869-\$ or DE-3730551-\$).did. or (DE-3830314-\$ or DE-4303645-\$ or DE-19727884-\$ or DE-4312793-\$ or DE-19726110-\$ or GB-2002238-\$ or SE-501042-\$ or DE-29612115-\$ or DE-3735219-\$ or US-7066902-\$ or US-20040254524-\$ or EP-127368-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2008/12/23 11:36
S27	6	S26 and (reservoir and chamber and pump and heater)	US-PGPUB; USPAT	OR	ON	2008/12/23 11:36

S28	21	S26 and (reservoir and chamber and heater)	US-PGPUB; USPAT	OR	ON	2008/12/23 12:03
S29	21	("3871373"   "4038980"   "4750483"   "4770168"   "4773410"   "4829998"   "5172686"   "5243973"   "5390665"   "5769071").PN. OR ("6102037").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 12:24
S30	9	S26 and ((water or liquid) near5 pump)	US-PGPUB; USPAT	OR	ON	2008/12/23 13:57
S31	49	S26 and method	US-PGPUB; USPAT	OR	ON	2008/12/23 14:57
S32	36	S26 and plate	US-PGPUB; USPAT	OR	ON	2008/12/23 15:34
S33	1	"5171486".pn.	US-PGPUB; USPAT	OR	ON	2008/12/23 15:37
S34	453	128/200.21.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/23 15:42
S35	208	128/200.11.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/23 16:30
S36	154	128/201.13.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/23 16:39
S37	328	128/204.17.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/23 16:46
S38	128	128/205.18.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/23 16:59

S39	93	(US-20060151624-\$ or US-20080302362-\$ or US-20080216829-\$ or US-20080105257-\$ or US-20080085437-\$ or US-20080078386-\$ or US-20080072903-\$ or US-20080066751-\$ or US-20080051674-\$ or US-20080047557-\$ or US-20080041388-\$ or US-20070277825-\$ or US-20070137646-\$ or US-20070079826-\$ or US-20060272639-\$ or US-20060191531-\$ or US-20060137445-\$ or US-20060124127-\$ or US-20060118111-\$ or US-20050284475-\$ or US-20040079370-\$ or US-20040060558-\$ or US-20040020487-\$ or US-20030111077-\$ or US-20030066526-\$ or US-20030012704-\$).did. or (US-20020139367-\$ or US-20020100320-\$ or US-20070283958-\$ or US-20060184096-\$ or US-20060012057-\$ or US-20040102731-\$ or US-20030059213-\$ or US-20060201506-\$ or US-20060219243-\$).did. or (US-6068609-\$ or US-3987133-\$ or US-2162462-\$ or US-6976489-\$ or US-5148801-\$ or US-4621633-\$ or US-4588425-\$ or US-4541966-\$ or US-4537188-\$ or US-3724454-\$ or US-7428902-\$ or US-7302949-\$ or US-7263994-\$ or US-7051733-\$ or US-7043979-\$ or US-6997183-\$ or US-6694974-\$ or US-6102037-\$ or US-6095505-\$ or US-6078730-\$ or US-6050552-\$ or US-5857062-\$ or US-5588423-\$ or US-5031612-\$ or US-4861523-\$ or US-4829998-\$).did. or (US-4753758-\$ or US-4621632-\$ or US-4596247-\$ or US-4570631-\$ or US-4529867-\$ or US-4430994-\$ or US-4192836-\$ or US-4013742-\$ or US-3982095-\$ or US-3864440-\$ or US-6167883-\$ or US-6010118-\$ or US-5769071-\$ or US-5411474-\$ or US-5163423-\$ or US-3806102-\$ or US-5172686-\$ or US-5171486-\$).did. or (DE-10049869-\$ or DE-3730551-\$).did. or (DE-3830314-\$ or DE-4303645-\$ or DE-19727884-\$ or DE-4312793-\$ or DE-19726110-\$ or GB-2002238-\$ or SE-501042-\$ or DE-29612115-\$ or DE-3735219-\$ or US-7066902-\$ or US-20040254524-\$ or EP-127368-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2008/12/24 09:47
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S40	52	S39 and method	US-PGPUB; USPAT	OR	ON	2008/12/24 09:48
S41	46	humidifier same(stack near5 plates)	US-PGPUB; USPAT	OR	ON	2008/12/24 10:58
S43	6	S39 and (rotat\$ same plate)	US-PGPUB; USPAT	OR	ON	2008/12/24 11:05
S44	1	DE-3308871-\$.did.	EPO; JPO; DERWENT	OR	ON	2008/12/24 11:34
S45	96	(US-20060151624-\$ or US-20080302362-\$ or US-20080216829-\$ or US-20080105257-\$ or US-20080085437-\$ or US-20080078386-\$ or US-20080072903-\$ or US-20080066751-\$ or US-20080051674-\$ or US-20080047557-\$ or US-20080041388-\$ or US-20070277825-\$ or US-20070137646-\$ or US-20070079826-\$ or US-20060272639-\$ or US-20060191531-\$ or US-20060137445-\$ or US-20060124127-\$ or US-20060118111-\$ or US-20050284475-\$ or US-20040079370-\$ or US-20040060558-\$ or US-20040020487-\$ or US-20030111077-\$ or US-20030066526-\$ or US-20030012704-\$).did. or (US-20020139367-\$ or US-20020100320-\$ or US-20070283958-\$ or US-20060184096-\$ or US-20060012057-\$ or US-20040102731-\$ or US-20030059213-\$ or US-20060201506-\$ or US-20060219243-\$).did. or (US-6068609-\$ or US-3987133-\$ or US-2162462-\$ or US-6976489-\$ or US-5148801-\$ or US-4621633-\$ or US-4588425-\$ or US-4541966-\$ or US-4537188-\$ or US-3724454-\$ or US-7428902-\$ or US-7302949-\$ or US-7263994-\$ or US-7051733-\$ or US-7043979-\$ or US-6997183-\$ or US-6694974-\$ or US-6102037-\$ or US-6095505-\$ or US-6078730-\$ or US-6050552-\$ or US-5857062-\$ or US-5588423-\$ or US-5031612-\$ or US-4861523-\$ or US-4829998-\$).did. or (US-4753758-\$ or US-4621632-\$ or US-4596247-\$ or US-4570631-\$ or US-4529867-\$ or US-4430994-\$ or US-4192836-\$ or US-4013742-\$ or US-3982095-\$ or US-	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2008/12/24 11:36

		3864440-\$ or US-6167883-\$ or US-6010118-\$ or US-5769071-\$ or US-5411474-\$ or US-5163423-\$ or US-3806102-\$ or US-5172686-\$ or US-5171486-\$ or US-5578113-\$ or US-4829781-\$).did. or (DE-10049869-\$ or DE-3730551-\$).did. or (DE-3830314-\$ or DE-4303645-\$ or DE-19727884-\$ or DE-4312793-\$ or DE-19726110-\$ or GB-2002238-\$ or SE-501042-\$ or DE-29612115-\$ or DE-3735219-\$ or US-7066902-\$ or US-20040254524-\$ or EP-127368-\$ or DE-3308871-\$).did.				
S46	58	S45 and (method or process)	US-PGPUB; USPAT	OR	ON	2008/12/24 11:37
S47	96	(US-20060151624-\$ or US-20080302362-\$ or US-20080216829-\$ or US-20080105257-\$ or US-20080085437-\$ or US-20080078386-\$ or US-20080072903-\$ or US-20080066751-\$ or US-20080051674-\$ or US-20080047557-\$ or US-20080041388-\$ or US-20070277825-\$ or US-20070137646-\$ or US-20070079826-\$ or US-20060272639-\$ or US-20060191531-\$ or US-20060137445-\$ or US-20060124127-\$ or US-20060118111-\$ or US-20050284475-\$ or US-20040079370-\$ or US-20040060558-\$ or US-20040020487-\$ or US-20030111077-\$ or US-20030066526-\$ or US-20030012704-\$).did. or (US-20020139367-\$ or US-20020100320-\$ or US-20070283958-\$ or US-20060184096-\$ or US-20060012057-\$ or US-20040102731-\$ or US-20030059213-\$ or US-20060201506-\$ or US-20060219243-\$).did. or (US-6068609-\$ or US-3987133-\$ or US-2162462-\$ or US-6976489-\$ or US-5148801-\$ or US-4621633-\$ or US-4588425-\$ or US-4541966-\$ or US-4537188-\$ or US-3724454-\$ or US-7428902-\$ or US-7302949-\$ or US-7263994-\$ or US-7051733-\$ or US-7043979-\$ or US-6997183-\$ or US-6694974-\$ or US-6102037-\$ or US-6095505-\$ or US-6078730-\$ or US-6050552-\$ or US-5857062-\$ or US-5588423-\$ or US-5031612-\$ or US-4861523-\$ or US-4829998-\$).did. or (US-4753758-\$ or US-4621632-\$ or US-4596247-\$ or US-	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2009/06/24 14:25

		4570631-\$ or US-4529867-\$ or US-4430994-\$ or US-4192836-\$ or US-4013742-\$ or US-3982095-\$ or US-3864440-\$ or US-6167883-\$ or US-6010118-\$ or US-5769071-\$ or US-5411474-\$ or US-5163423-\$ or US-3806102-\$ or US-5172686-\$ or US-5171486-\$ or US-5578113-\$ or US-4829781-\$).did. or (DE-10049869-\$ or DE-3730551-\$).did. or (DE-3830314-\$ or DE-4303645-\$ or DE-19727884-\$ or DE-4312793-\$ or DE-19726110-\$ or GB-2002238-\$ or SE-501042-\$ or DE-29612115-\$ or DE-3735219-\$ or US-7066902-\$ or US-20040254524-\$ or EP-127368-\$ or DE-3308871-\$).did.				
S48	3	S47 and (fluid with circulat\$3)	US-PGPUB; USPAT	AND	ON	2009/06/24 14:26
S49	0	humidification and sprinkler	US-PGPUB; USPAT	AND	ON	2009/06/24 15:48
S50	0	humidify and sprinkler	US-PGPUB; USPAT	AND	ON	2009/06/24 15:48
S51	0	humidifecation and sprinkler	US-PGPUB; USPAT	AND	ON	2009/06/24 15:48
S52	108	humidification and sprinkler	US-PGPUB; USPAT	AND	ON	2009/06/24 15:48
S53	70	S47 and (heat)	US-PGPUB; USPAT	AND	ON	2009/06/24 16:13
S54	51	S47 and (heat with water)	US-PGPUB; USPAT	AND	ON	2009/06/24 16:13
S55	45	S47 and valve	US-PGPUB; USPAT	AND	ON	2009/06/24 16:56
S56	7	(humidification with chamber) and depressurization	US-PGPUB; USPAT	AND	ON	2009/06/24 17:20
S57	2849	pressur\$4 same humidif\$7 same (chamber or device or apparatus)	US-PGPUB; USPAT	AND	ON	2009/06/24 17:26
S58	225	pressurized same humidification same (chamber or device or apparatus)	US-PGPUB; USPAT	AND	ON	2009/06/24 17:26



S59	154	S58 and valve	US-PGPUB; USPAT	AND	ON	2009/06/24 17:44
S60	1228	128/200.21,200.11,201.13,204.17,205.18.ccls.	US-PGPUB; USPAT	AND	ON	2009/06/25 17:22
S61	98	(US-20060151624-\$ or US-20080302362-\$ or US-20080216829-\$ or US-20080105257-\$ or US-20080085437-\$ or US-20080078386-\$ or US-20080072903-\$ or US-20080066751-\$ or US-20080051674-\$ or US-20080047557-\$ or US-20080041388-\$ or US-20070277825-\$ or US-20070137646-\$ or US-20070079826-\$ or US-20060272639-\$ or US-20060191531-\$ or US-20060137445-\$ or US-20060124127-\$ or US-20060118111-\$ or US-20050284475-\$ or US-20040079370-\$ or US-20040060558-\$ or US-20040020487-\$ or US-20030111077-\$ or US-20030066526-\$ or US-20030012704-\$).did. or (US-20020139367-\$ or US-20020100320-\$ or US-20070283958-\$ or US-20060184096-\$ or US-20060012057-\$ or US-20040102731-\$ or US-20030059213-\$ or US-20060201506-\$ or US-20060219243-\$ or US-20070157928-\$).did. or (US-6068609-\$ or US-3987133-\$ or US-2162462-\$ or US-6976489-\$ or US-5148801-\$ or US-4621633-\$ or US-4588425-\$ or US-4541966-\$ or US-4537188-\$ or US-3724454-\$ or US-7428902-\$ or US-7302949-\$ or US-7263994-\$ or US-7051733-\$ or US-7043979-\$ or US-6997183-\$ or US-6694974-\$ or US-6102037-\$ or US-6095505-\$ or US-6078730-\$ or US-6050552-\$ or US-5857062-\$ or US-5588423-\$ or US-5031612-\$ or US-4861523-\$ or US-4829998-\$).did. or (US-4753758-\$ or US-4621632-\$ or US-4596247-\$ or US-4570631-\$ or US-4529867-\$ or US-4430994-\$ or US-4192836-\$ or US-4013742-\$ or US-3982095-\$ or US-3864440-\$ or US-6167883-\$ or US-6010118-\$ or US-5769071-\$ or US-5411474-\$ or US-5163423-\$ or US-3806102-\$ or US-5172686-\$ or US-5171486-\$ or US-5578113-\$ or US-4829781-\$ or US-5524848-\$).did. or (DE-10049869-\$ or	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2009/11/30 18:24

		DE-3730551-\$.did. or (DE-3830314-\$ or DE-4303645-\$ or DE-19727884-\$ or DE-4312793-\$ or DE-19726110-\$ or GB-2002238-\$ or SE-501042-\$ or DE-29612115-\$ or DE-3735219-\$ or US-7066902-\$ or US-20040254524-\$ or EP-127368-\$ or DE-3308871-\$.did.				
S62	3	S61 and (filling with material)	US-PGPUB; USPAT	AND	ON	2009/11/30 18:24
S63	10	S61 and ((filling or porous) with material)	US-PGPUB; USPAT	AND	ON	2009/11/30 18:26
S64	47	S61 and @ad<="20021031"	US-PGPUB; USPAT	AND	ON	2009/11/30 18:35
S65	10	S64 and pump	US-PGPUB; USPAT	AND	ON	2009/11/30 18:44
S66	98	(US-20060151624-\$ or US-20080302362-\$ or US-20080216829-\$ or US-20080105257-\$ or US-20080085437-\$ or US-20080078386-\$ or US-20080072903-\$ or US-20080066751-\$ or US-20080051674-\$ or US-20080047557-\$ or US-20080041388-\$ or US-20070277825-\$ or US-20070137646-\$ or US-20070079826-\$ or US-20060272639-\$ or US-20060191531-\$ or US-20060137445-\$ or US-20060124127-\$ or US-20060118111-\$ or US-20050284475-\$ or US-20040079370-\$ or US-20040060558-\$ or US-20040020487-\$ or US-20030111077-\$ or US-20030066526-\$ or US-20030012704-\$.did. or (US-20020139367-\$ or US-20020100320-\$ or US-20070283958-\$ or US-20060184096-\$ or US-20060012057-\$ or US-20040102731-\$ or US-20030059213-\$ or US-20060201506-\$ or US-20060219243-\$ or US-20070157928-\$.did. or (US-6068609-\$ or US-3987133-\$ or US-2162462-\$ or US-6976489-\$ or US-5148801-\$ or US-4621633-\$ or US-4588425-\$ or US-4541966-\$ or US-4537188-\$ or US-3724454-\$ or US-7428902-\$ or US-7302949-\$ or US-7263994-\$ or US-7051733-\$ or US-7043979-\$ or US-6997183-\$ or US-6694974-\$ or US-6102037-\$ or US-	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2009/12/01 12:49

		6095505-\$ or US-6078730-\$ or US-6050552-\$ or US-5857062-\$ or US-5588423-\$ or US-5031612-\$ or US-4861523-\$ or US-4829998-\$).did. or (US-4753758-\$ or US-4621632-\$ or US-4596247-\$ or US-4570631-\$ or US-4529867-\$ or US-4430994-\$ or US-4192836-\$ or US-4013742-\$ or US-3982095-\$ or US-3864440-\$ or US-6167883-\$ or US-6010118-\$ or US-5769071-\$ or US-5411474-\$ or US-5163423-\$ or US-3806102-\$ or US-5172686-\$ or US-5171486-\$ or US-5578113-\$ or US-4829781-\$ or US-5524848-\$).did. or (DE-10049869-\$ or DE-3730551-\$).did. or (DE-3830314-\$ or DE-4303645-\$ or DE-19727884-\$ or DE-4312793-\$ or DE-19726110-\$ or GB-2002238-\$ or SE-501042-\$ or DE-29612115-\$ or DE-3735219-\$ or US-7066902-\$ or US-20040254524-\$ or EP-127368-\$ or DE-3308871-\$).did.				
S67	47	S66 and @ad<="20021031"	US-PGPUB; USPAT	AND	ON	2009/12/01 12:49
S68	38	S67 and heat	US-PGPUB; USPAT	AND	ON	2009/12/01 12:51
S69	855	humid\$ same (water with (chamber or reservoir)) same pump\$	US-PGPUB; USPAT	AND	ON	2009/12/01 12:58
S70	533	S69 and @ad<="20021031"	US-PGPUB; USPAT	AND	ON	2009/12/01 12:58
S71	97	S70 and (ventilat\$ or respirat\$)	US-PGPUB; USPAT	AND	ON	2009/12/01 12:58
S72	376	humid\$ same (water with (chamber or reservoir)) same pump\$ same heat\$	US-PGPUB; USPAT	AND	ON	2009/12/01 13:03
S73	245	S72 and @ad<="20021031"	US-PGPUB; USPAT	AND	ON	2009/12/01 13:04
S74	52	S73 and (ventilat\$ or respirat\$)	US-PGPUB; USPAT	AND	ON	2009/12/01 13:04

S75	100	(US-20060151624-\$ or US-20080302362-\$ or US-20080216829-\$ or US-20080105257-\$ or US-20080085437-\$ or US-20080078386-\$ or US-20080072903-\$ or US-20080066751-\$ or US-20080051674-\$ or US-20080047557-\$ or US-20080041388-\$ or US-20070277825-\$ or US-20070137646-\$ or US-20070079826-\$ or US-20060272639-\$ or US-20060191531-\$ or US-20060137445-\$ or US-20060124127-\$ or US-20060118111-\$ or US-20050284475-\$ or US-20040079370-\$ or US-20040060558-\$ or US-20040020487-\$ or US-20030111077-\$ or US-20030066526-\$ or US-20030012704-\$).did. or (US-20020139367-\$ or US-20020100320-\$ or US-20070283958-\$ or US-20060184096-\$ or US-20060012057-\$ or US-20040102731-\$ or US-20030059213-\$ or US-20060201506-\$ or US-20060219243-\$ or US-20070157928-\$).did. or (US-6068609-\$ or US-3987133-\$ or US-2162462-\$ or US-6976489-\$ or US-5148801-\$ or US-4621633-\$ or US-4588425-\$ or US-4541966-\$ or US-4537188-\$ or US-3724454-\$ or US-7428902-\$ or US-7302949-\$ or US-7263994-\$ or US-7051733-\$ or US-7043979-\$ or US-6997183-\$ or US-6694974-\$ or US-6102037-\$ or US-6095505-\$ or US-6078730-\$ or US-6050552-\$ or US-5857062-\$ or US-5588423-\$ or US-5031612-\$ or US-4861523-\$ or US-4829998-\$).did. or (US-4753758-\$ or US-4621632-\$ or US-4596247-\$ or US-4570631-\$ or US-4529867-\$ or US-4430994-\$ or US-4192836-\$ or US-4013742-\$ or US-3982095-\$ or US-3864440-\$ or US-6167883-\$ or US-6010118-\$ or US-5769071-\$ or US-5411474-\$ or US-5163423-\$ or US-3806102-\$ or US-5172686-\$ or US-5171486-\$ or US-5578113-\$ or US-4829781-\$ or US-5524848-\$ or US-4026285-\$ or US-4010748-\$).did. or (DE-10049869-\$ or DE-3730551-\$).did. or (DE-3830314-\$ or DE-4303645-\$ or DE-19727884-\$ or DE-4312793-\$ or DE-19726110-\$ or GB-2002238-\$ or SE-501042-\$ or DE-29612115-\$ or DE-3735219-\$ or US-7066902-\$ or US-20040254524-\$ or EP-127368-\$ or DE-	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2009/12/01 13:37
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		3308871-\$).did.				
S76	49	S75 and @ad<="20021031"	US-PGPUB; USPAT	AND	ON	2009/12/01 13:38
S77	475	128/200.21.ccls.	US-PGPUB; USPAT	AND	ON	2009/12/01 13:38
S78	212	128/200.11.ccls.	US-PGPUB; USPAT	AND	ON	2009/12/01 13:40
S79	162	128/201.13.ccls.	US-PGPUB; USPAT	AND	ON	2009/12/01 13:41
S80	364	128/204.17.ccls.	US-PGPUB; USPAT	AND	ON	2009/12/01 13:42
S81	134	128/205.18.ccls.	US-PGPUB; USPAT	AND	ON	2009/12/01 13:43
S82	106	(US-20060151624-\$ or US-20080302362-\$ or US-20080216829-\$ or US-20080105257-\$ or US-20080085437-\$ or US-20080078386-\$ or US-20080072903-\$ or US-20080066751-\$ or US-20080051674-\$ or US-20080047557-\$ or US-20080041388-\$ or US-20070277825-\$ or US-20070137646-\$ or US-20070079826-\$ or US-20060272639-\$ or US-20060191531-\$ or US-20060137445-\$ or US-20060124127-\$ or US-20060118111-\$ or US-20050284475-\$ or US-20040079370-\$ or US-20040060558-\$ or US-20040020487-\$ or US-20030111077-\$ or US-20030066526-\$ or US-20030012704-\$).did. or (US-20020139367-\$ or US-20020100320-\$ or US-20070283958-\$ or US-20060184096-\$ or US-20060012057-\$ or US-20040102731-\$ or US-20030059213-\$ or US-20060201506-\$ or US-20060219243-\$ or US-20070157928-\$ or US-20090000615-\$ or US-20080283050-\$ or US-20070295328-\$ or US-20060076009-\$ or US-20050166915-\$).did. or (US-6068609-\$ or US-3987133-\$ or US-2162462-\$ or US-6976489-\$ or US-5148801-\$ or US-4621633-\$ or US-4588425-\$ or US-4541966-\$ or US-	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2009/12/01 13:45

		4537188-\$ or US-3724454-\$ or US-7428902-\$ or US-7302949-\$ or US-7263994-\$ or US-7051733-\$ or US-7043979-\$ or US-6997183-\$ or US-6694974-\$ or US-6102037-\$ or US-6095505-\$ or US-6078730-\$ or US-6050552-\$ or US-5857062-\$ or US-5588423-\$ or US-5031612-\$ or US-4861523-\$ or US-4829998-\$).did. or (US-4753758-\$ or US-4621632-\$ or US-4596247-\$ or US-4570631-\$ or US-4529867-\$ or US-4430994-\$ or US-4192836-\$ or US-4013742-\$ or US-3982095-\$ or US-3864440-\$ or US-6167883-\$ or US-6010118-\$ or US-5769071-\$ or US-5411474-\$ or US-5163423-\$ or US-3806102-\$ or US-5172686-\$ or US-5171486-\$ or US-5578113-\$ or US-4829781-\$ or US-5524848-\$ or US-4026285-\$ or US-4010748-\$ or US-5065753-\$).did. or (DE-10049869-\$ or DE-3730551-\$).did. or (DE-3830314-\$ or DE-4303645-\$ or DE-19727884-\$ or DE-4312793-\$ or DE-19726110-\$ or GB-2002238-\$ or SE-501042-\$ or DE-29612115-\$ or DE-3735219-\$ or US-7066902-\$ or US-20040254524-\$ or EP-127368-\$ or DE-3308871-\$).did.				
S83	1	S82 and (sprink\$)	US-PGPUB; USPAT	AND	ON	2009/12/01 13:45
S84	483	128/200.21.ccls.	US-PGPUB; USPAT	AND	ON	2010/05/24 16:41
S85	213	128/200.11.ccls.	US-PGPUB; USPAT	AND	ON	2010/05/24 16:42
S86	171	128/201.13.ccls.	US-PGPUB; USPAT	AND	ON	2010/05/24 16:43
S87	370	128/204.17.ccls.	US-PGPUB; USPAT	AND	ON	2010/05/24 16:43
S88	136	128/205.18.ccls.	US-PGPUB; USPAT	AND	ON	2010/05/24 16:44

S89	106	(US-20060151624-\$ or US-20080302362-\$ or US-20080216829-\$ or US-20080105257-\$ or US-20080085437-\$ or US-20080078386-\$ or US-20080072903-\$ or US-20080066751-\$ or US-20080051674-\$ or US-20080047557-\$ or US-20080041388-\$ or US-20070277825-\$ or US-20070137646-\$ or US-20070079826-\$ or US-20060272639-\$ or US-20060191531-\$ or US-20060137445-\$ or US-20060124127-\$ or US-20060118111-\$ or US-20050284475-\$ or US-20040079370-\$ or US-20040060558-\$ or US-20040020487-\$ or US-20030111077-\$ or US-20030066526-\$ or US-20030012704-\$).did. or (US-20020139367-\$ or US-20020100320-\$ or US-20070283958-\$ or US-20060184096-\$ or US-20060012057-\$ or US-20040102731-\$ or US-20030059213-\$ or US-20060201506-\$ or US-20060219243-\$ or US-20070157928-\$ or US-20090000615-\$ or US-20080283050-\$ or US-20070295328-\$ or US-20060076009-\$ or US-20050166915-\$).did. or (US-6068609-\$ or US-3987133-\$ or US-2162462-\$ or US-6976489-\$ or US-5148801-\$ or US-4621633-\$ or US-4588425-\$ or US-4541966-\$ or US-4537188-\$ or US-3724454-\$ or US-7428902-\$ or US-7302949-\$ or US-7263994-\$ or US-7051733-\$ or US-7043979-\$ or US-6997183-\$ or US-6694974-\$ or US-6102037-\$ or US-6095505-\$ or US-6078730-\$ or US-6050552-\$ or US-5857062-\$ or US-5588423-\$ or US-5031612-\$ or US-4861523-\$ or US-4829998-\$).did. or (US-4753758-\$ or US-4621632-\$ or US-4596247-\$ or US-4570631-\$ or US-4529867-\$ or US-4430994-\$ or US-4192836-\$ or US-4013742-\$ or US-3982095-\$ or US-3864440-\$ or US-6167883-\$ or US-6010118-\$ or US-5769071-\$ or US-5411474-\$ or US-5163423-\$ or US-3806102-\$ or US-5172686-\$ or US-5171486-\$ or US-5578113-\$ or US-4829781-\$ or US-5524848-\$ or US-4026285-\$ or US-4010748-\$ or US-5065753-\$).did. or (DE-10049869-\$ or DE-3730551-\$).did. or (DE-3830314-\$ or DE-4303645-\$ or DE-19727884-\$ or DE-4312793-\$ or DE-	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2010/05/24 16:44
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		19726110-\$ or GB-2002238-\$ or SE-501042-\$ or DE-29612115-\$ or DE-3735219-\$ or US-7066902-\$ or US-20040254524-\$ or EP-127368-\$ or DE-3308871-\$).did.				
S90	50	S89 and @ad<="20021031"	US-PGPUB; USPAT	AND	ON	2010/05/24 16:46

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